APX REMOTE DISPLAY PANEL INSTALLATION INSTRUCTIONS

FOR MODELS 2100, 2500, 7200, 7500, 8100, 8300, AND 8600

1. PREPARATION; READ THIS ENTIRE NOTE BEFORE PROCEEDING - THE APX REMOTE PANEL CAN BE INSTALLED EITHER INSIDE OR OUTSIDE the TRAILER. SELECT LOCATION FOR MOUNTING AND PREPARE THE SURFACE PER THE DIMENSIONS ABOVE. FOR TRAILER MANUFACTURER (TYPICALLY INSTALLED BY TRAILER OEM)

2. CABLE ROUTING - ONE END OF THE CABLE HAS 2 - 2-PIN CONNECTORS, THOSE CONNECTORS MUST BE AT THE REEFER UNIT END OF THE CABLE. SO ROUTE THE CABLE BLUNT END FROM TRAILER FRONT FACE TO THE REMOTE PANEL OPENING.


5. FIT AND PROPER SEALING ACROSS THE TOP OF THE REMOTE PANEL, USE THE REMOTE PANEL AS A TEMPLATE BY LOCATING IT IN THE CUT OUT AREA ALONG INSIDE THE TRAILER WALL (TRAILER OEM) TO AND THROUGH THE FRONT WALL OF THE TRAILER OR OUT THE BOTTOM AND THROUGH THE REAR WALL. THE TRAILER MUST BE SECURED IN ITS MOUNTED POSITION WITH (6) 6MM SELF TAPPING STAINLESS STEEL SCREWS.

6. CAUTION: DO NOT TIE WRAP OR SECURE WIRING OR CABLES TO FUEL LINES OR HIGH VOLTAGE WIRING (VECTOR MODELS). FIRE OR ELECTRICAL SHOCK MAY RESULT.

7. REMOTE PANEL MUST BE INSTALLED USING A QUALITY SENSOR CONNECTOR AND THE PANEL MUST ALLOW NO MOTION CAN GENERATE A SHORT CIRCUIT.

8. FIT THE CABLE THROUGH THE COVER, AND PANEL IS INSTALLED EITHER INSIDE OR OUTSIDE THE TRAILER.

9. INSTALL THE FLUSH MOUNT TYPE THERE IS ALSO A REAR PROTECTIVE COVER AVAILABLE FOR INSTALLATION BEFORE THE REMOTE PANEL IS INSTALLED (SEE FIGURE 3).

10. IF THE REMOTE PANEL IS TO BE INSTALLED INSIDE THE WALL, CUT THE OPENING AS HIGH AS IT WILL GO, THEN MARKING THROUGH THE MOUNTING HOLES ONTO THE WALL FOR DRILLING.


12. NOTICE: DO NOT TIE WRAP OR SECURE WIRING OR CABLES TO FUEL LINES OR HIGH VOLTAGE WIRING (VECTOR MODELS). FIRE OR ELECTRICAL SHOCK MAY RESULT.

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COMM MODULE INSTALLATION:

**CAUTION**
Do not tie wrap or secure wiring or cables to fuel lines or high voltage wiring. Fire or electrical shock can occur.

1. Ensure main switch is off and disconnect negative battery cable (if applicable).

2. Install the commun module to the studs on its bracket using the provided washers and locknuts. Torque to 40 in-lb.

3. Unplug all connectors from the SVM or SMV module(s). Remove the SVM module(s) from the mounting bracket.

4. Locate the commun module mounting flange behind the SVM at the SVM mounting location on the commun module. Ensure the SVM is secure and remove the SVM from the commun module.

Note: Reversing the screws; especially the top one can be difficult. Some tips: install the screws first, then use a long extension to start the top screw. Remove the display module for more access.

5. Reinstall the SVM connector(s) to the SVM at the SVM connector.

6. Install the module with the small connector to the SVM at the SVM connector.

7. Reinstall the SVM module (small connector to the SVM at the SVM connector).

8. Install the small connector (large connector to the SVM at the SVM connector).

9. If there is a second 2-pin connector remaining on the splitter harness unused, either install the cap removed from the engine harness or cut the connector off and use heat shrink tubing to seal the ends of the wires.

10. Reconnect the negative battery terminal and then operation of the remote panel as per the instructions in the system software version. The remote panel should illuminate, along with the main display. If the unit will not start, the current system software version should be downloaded into the remote panel. The unit and remote panel should then operate normally.

EXTENSION CABLE CONNECTIONS:

- 35-pin connector to the SVM module
- 8-pin connector to the commun module
- 14-pin connector to the commun module
- 2-pin connector to the remote panel cable
- 2-pin connector to the engine harness

NOTE: VERIFY ALL WIRE CONNECTIONS BEFORE RE-CONNECTING NEGATIVE BATTERY CABLE TO PREVENT DAMAGE TO THE REMOTE PANEL.
STEP 1: EXISTING ENGINE HARNESS: UNPLUG 1SVM CONNECTOR FROM STEPPER MODULE & INSTALL IN 1CM CONNECTION

THE 1RP CONNECTOR IS LOCATED ON THE UNIT ENGINE HARNESS FOR EASY CONNECTION. IF IT IS NOT AVAILABLE ON THE UNIT, YOU SHOULD HAVE RECEIVED ADDITIONAL KIT NO. 76-00869 TO PROVIDE THIS CONNECTOR.

IF THIS CONNECTOR IS PRESENT, CUT IT OFF AND APPLY HEAT SHRINK TUBING TO SEAL THE END OF EACH WIRE (2).

FIGURE 6 - WIRING DIAGRAM